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PATENT ABSTRACTS OF JAPAN

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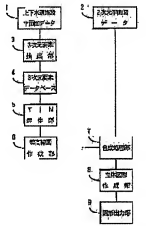
(54) METHOD AND SYSTEM FOR PREPARING THREE-DIMENSIONAL CONTOUR MAP AND RECORDING MEDIUM

(57)Abstract:
PROBLEM TO BE SOLVED: To prepare a three-dimensional(3D) graphic even without especially measuring acquiring coordinate values (X, Y) and a height value and without DM data.
SOLUTION: The coordinate values (X, Y) of 3D information and a height value (Z) are extracted from data 1 of a drawing, the values of 3D elements (X, Y and Z) are made into a database, contour map data are prepared on the basis of the values of the 3D elements, and a 3D contour map is prepared from these contour map data so that the 3D contour map can be prepared from the data of the drawing having 3D information. The contour map data generate irregular triangular meshes from the 3D element data, contour lines are interpolated and prepared from these irregular triangular meshes and coloring processing is performed by height values so that the 3D contour map can be prepared. Thus, a useful 3D graphic can be prepared from the data of the drawing having the 3D information such as the ground level values of manholes on an administrative drawing disclosed as data for supporting flood counter measures or various city facility plans.



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